



**Public Works Board**  
**906 Columbia St SW**  
**PO Box 48319**  
**Olympia, WA 98504-8319**

## **DWSRF ARRA LOAN PRE-CONTRACT REQUEST FORM**

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Name of Jurisdiction: **Seattle**  
Loan Number: **Application**  
DOH Application Number: **2009E-054**  
Loan Amount: **\$6,060,000.00**  
Project Title: **Maple Leaf Reservior Burial**  
Term of Loan: **23**  
Loan Contact: **Bill Wells**  
**700 5th Ave, Suite 4900, Seattle, WA 98124**  
Green Designation: **N/A**  
Subsidy Designation: **Non-Distressed**  
Percent of Forgiveness: **0**  
Water System Plan Submittal Date:  
Governor's Certification Date:

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If you would like to have your agency's internal project or contract number listed, please provide us with that number in the space provided below.

Client Contract Number: **C101078**

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The following is the information provided to us in your application. If there are any changes to your Scope of Work and/or your Budget please provide us with your revised information. This information will be used to process your loan contract.

### **Project Description:**

**This project replaces the existing 60 MG Maple Leaf open finished drinking water reservoir with a new two compartment, 60 MG, underground, reinforced concrete reservoir on the same property, already owned by the City of Seattle, Seattle Public Utilities. The total project cost is estimated to be \$61.5 million. SPU's request for this 2009 Economic Recovery Funding program application is \$6 million.**

## Scope of Work:

The objective of the Maple Leaf Reservoir Project is to provide reliable safe drinking water for the citizens of Seattle. The Maple Leaf Reservoir project consists of replacing the existing 60 mg Maple Leaf open reservoir with a new two compartment 60 mg underground reinforced concrete reservoir on the same property already owned by the City of Seattle, Seattle Public Utilities. The major elements include the following:

- Demolishing the existing concrete panels lining the sloped sides and bottom of the existing open reservoir.
- Constructing a new steel-reinforced concrete water containment structure within the footprint of the existing open reservoir basin. Some portions of the existing embankment may need to be removed for optimal placement of the new structure. The new structure is 670 feet long (east-west) and 500 feet wide (north-south) and ranges in depth from 24 feet at the walls to approx 35 feet near the outlet sumps.
- Remove existing inlet piping and replace with approximately 600 feet of new 30- & 36-inch inlet piping, remove existing outlet piping and replace with approximately 550 feet of 30-inch outlet piping, remove existing overflow piping and replace with approximately 650-feet of 36-inch overflow piping, and remove existing drain piping and replace with approximately 600-feet of 20-inch drain piping to connect to each of the existing systems.
- Replacing the wash down and recirculation systems.
- Constructing a new 30 foot diameter, 43 foot deep steel-reinforced concrete mechanical vault to house the outlet valves, pumps, and electrical and Instrumentation and Control wiring and panels.
- Placing approx. 15,000 cu yds of structural backfill around the side walls and approx. 20,000 cu yds of drain rock and soil over the reservoir roof.

## Project Costs by Cost Category

COST CATEGORY	APPLICATION	REVISED
Engineering Report (Preliminary Engineering)	\$434,000.00	\$434,000.00
Environmental Review	\$10,000.00	\$10,000.00
Historical Review/Cultural Review	\$2,000.00	\$2,000.00
Land/ROW Acquisition	\$0.00	\$0.00
Permits	\$150,000.00	\$150,000.00
Public Involvement/Information	\$2,000.00	\$2,000.00
Bid Documents (Design Engineering)	\$1,771,000.00	\$1,771,000.00
Construction	\$49,180,000.00	\$49,180,000.00
Other Fees: (Sales or Use Taxes)	\$4,464,000.00	\$4,464,000.00
Contingency: 0.00%	\$2,400,000.00	\$2,400,000.00
Other:	\$2,000.00	\$2,000.00
Other:	\$3,085,000.00	\$3,085,000.00
Other:	\$0.00	\$0.00
Other:	\$0.00	\$0.00
<b>TOTAL ESTIMATED PROJECT COSTS (before Loan Fee)</b>	<b>\$61,500,000.00</b>	<b>\$61,500,000.00</b>
<b>Loan Fee (1.00% of the DWSRF Loan Request)</b>	<b>60,000.00</b>	<b>60,000.00</b>



## Project Funding

TYPE OF FUNDING	SOURCE	APPLICATION	REVISED
<b>Grants and Other Non-Matching Funds</b>			
Grant #1		\$0.00	\$0.00
Grant #2		\$0.00	\$0.00
Other Grants		\$0.00	\$0.00
New Grants			\$0.00
<b>Total Grants and Other Non-Matching Funds</b>		<b>\$0.00</b>	<b>\$0.00</b>
<b>Loans</b>			
<i>This Loan Request</i>	<i>Public Works Board (DWSRF with 1.00% Loan Fee)</i>	<i>\$6,060,000.00</i>	<i>\$6,060,000.00</i>
Other Loan #1	DWSRF ( DM09-952-028 )	\$3,030,000.00	\$3,030,000.00
Other Loan #2		\$0.00	\$0.00
Other Loans		\$0.00	\$0.00
New Loans			\$0.00
<b>Total Loans</b>		<b>\$9,090,000.00</b>	<b>\$9,090,000.00</b>
<b>Local Revenue</b>			
Source #1	Seattle Public Utility rate/bond	\$52,410,000.00	\$52,410,000.00
Source #2		\$0.00	\$0.00
Other Local Revenue		\$0.00	\$0.00
New Local Revenue			\$0.00
<b>Total Local Revenue</b>		<b>\$52,410,000.00</b>	<b>\$52,410,000.00</b>
<b>Other Funds</b>			
Other Funds		\$0.00	\$0.00
Other Funds			\$0.00
<b>Total Other Funds</b>		<b>\$0.00</b>	<b>\$0.00</b>
<b>TOTAL PROJECT FUNDING</b>		<b>\$61,500,000.00</b>	<b>\$61,500,000.00</b>

## Loan Security for Local Governments Only

The LOCAL GOVERNMENT must select **one** of the following options for securing repayment of the loan. **Please initial the appropriate option.**

1. \_\_\_\_\_ **General Obligation:** This loan is a general obligation of the LOCAL GOVERNMENT.

OR

2. ☒ **Revenue Obligation:** This option may be used only if the entire project is a domestic water, sanitary sewer, storm sewer or solid waste utility project. LOCAL GOVERNMENTS performing a storm sewer project that have not created a storm sewer utility or a combined sanitary sewer/storm sewer utility may not use this option. Projects providing for a mixture of bridge, road, domestic water, sanitary sewer, and storm sewer activities may not use this option.

This loan is a revenue obligation of the LOCAL GOVERNMENT payable solely from the net revenue of the utility system indicated below. Payments shall be made from the net revenue of the utility after the payment of the principal and interest on any revenue bonds, notes, warrants or other obligations of the utility having a lien on that net revenue. As used here, "net revenue" means gross revenue minus expenses of maintenance and operations. The BOARD grants the LOCAL GOVERNMENT the right to issue future bonds and notes that constitute a lien and charge on net revenue superior to the lien and charge of this loan agreement.

**Please choose and initial one of the following utility systems:**

- ☒ Water *SM*
- \_\_\_\_\_ Sanitary Sewer (Wastewater)
- \_\_\_\_\_ Stormwater
- \_\_\_\_\_ Water/Sanitary Sewer
- \_\_\_\_\_ Stormwater/Sanitary Sewer
- \_\_\_\_\_ Solid Waste

OR

3. \_\_\_\_\_ **Local Improvement District:** Pursuant to RCW 35.51.050, the LOCAL GOVERNMENT pledges to repay this loan from assessments collected from a Local Improvement District, Local Utility District or other similar special assessment district in which the improvements financed by this loan are located. The name of the special assessment district is \_\_\_\_\_.

Nothing in this section shall absolve the LOCAL GOVERNMENT of its obligation to make loan repayments when due, and to adjust rates, fees, or surcharges, if necessary, to meet its obligations under this agreement.

## Engineer Certification

Name of Jurisdiction: **Seattle**

Loan Number: **Application**

Project Title: **Maple Leaf Reservoir Burial**

The term of this loan will be based on subsidy designation of the Contractor, or an engineer's certification of the expected useful life of the improvements, as stated below, whichever is less. If the applicant prefers the term of its loan to be less than either eight (8) years for disadvantaged community, and twenty three (23) years for distressed and non-distressed communities, or the useful life of the improvements, the preferred loan term should be indicated here: **23** years.

I, Stephanie Murphy, licensed engineer, certify that the average expected useful life for the improvements described above is **50** years.

Signed:

Steph. Murphy

Name:

Stephanie Murphy

Date:

8 June 2009

Telephone:

(206) 386-9778

Professional Engineer License Number: 31243

## Loan Security (Securing Repayment of Loan)

Loan Repayment Security: **Revenue Obligation.**

If the repayment security is Revenue Obligation, revenue from the following utility system is being obligated: **Water.**

If the repayment security is a Local Improvement District, the name of the special assessment district is

